

Decentralized Hydrogen Generation Systems

November 2003

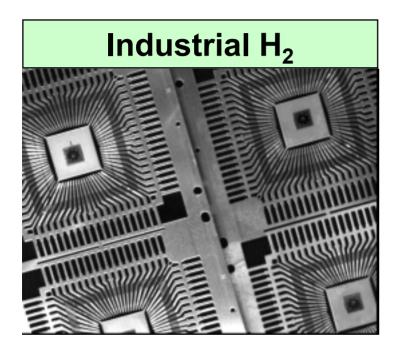
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H2onsite Business Overview

- Innovative hydrogen generation technology developed by Lawrence Livermore Lab
 - high purity
 - low cost
 - patented
- Replace electrolysis and truck delivered hydrogen
 - Small to medium industrial users
 - Focus on electronics short term
 - Fuel cells long term

Worldwide Markets



- \$1.4B delivered by truck in 2003
- 8% annual growth
- Electronics is growing faster

Vehicles

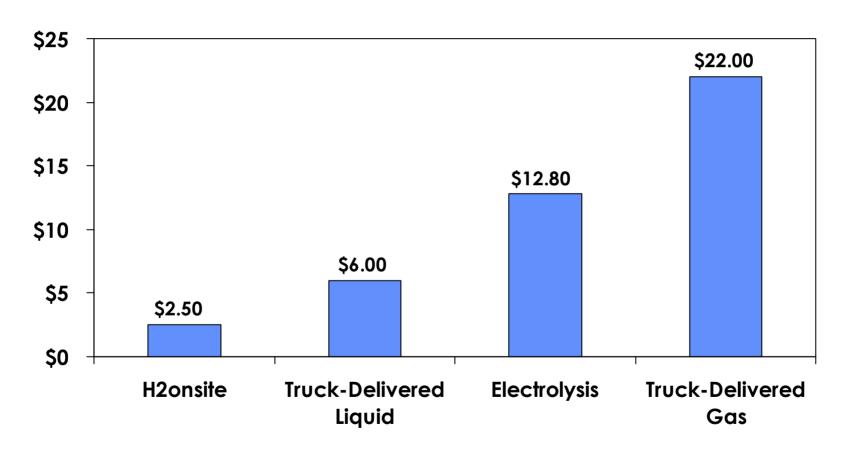


- \$4B in 2010
- \$100B in 2020
- 30 European demonstration projects 2003-2004

Sources: SRI, DOE, Southern California Air Quality Management District, Freedonia

Cost of Existing Solutions

End-User Cost per Kilogram of Hydrogen



Distributed Reforming is the Competition

H₂onsite

- Higher purity
- Output at 350 psi vs low pressure
- Lower capital costs and scales easily
- Similar/lower operating costs

Reformer Competitors

H2Gen Mesofuel

Hyradix Praxair

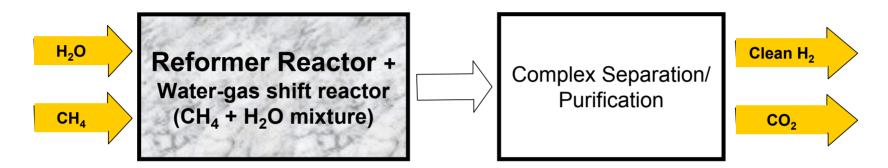
Idatech Ztek

HydrogenSource

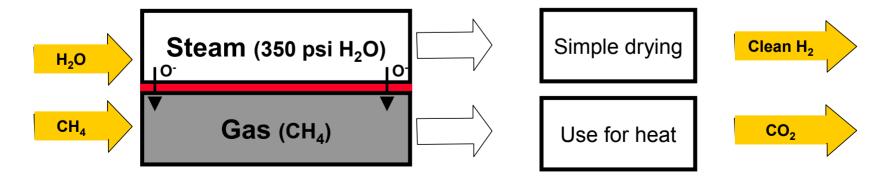
Technology Comparison

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Reformers



H2onsite



Summary

- Breakthrough technology changes the economics of the hydrogen business
 - Have working unit
 - Proprietary technology provides barrier to entry
- Large existing market with huge upside
- The management team is complete and beta customers have been identified